

SEQUENCE OF CONSTRUCTION ACTIVITIES

\*CONTRACTOR SHALL MAINTAIN SEQUENCE OF CONSTRUCTION BELOW AS A MINIMUM STANDARD FOR NOCENR AND DURHAM CITY/COUNTY EROSION CONTROL COMPLIANCE.

1. A PRECONSTRUCTION CONFERENCE MUST BE HELD 48 HRS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
2. INSTALL TREE PROTECTION FENCING AND CALL FOR INSPECTION FROM DURHAM CITY/COUNTY EROSION CONTROL INSPECTOR. OBTAIN LAND DISBURBANCE PERMIT.
3. DETERMINE AND MARK LIMITS OF DISTURBANCE.
4. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE.
5. HARVEST ANY TIMBER.
6. CONSTRUCT REMAINING EROSION CONTROL MEASURES AS REQUIRED. UTILITY WORK SHALL HAVE SILT FENCE INSTALLED ON THE DOWNWARD SLOPE OF WORK PRIOR TO BEGINNING EXCAVATION.
7. REMOVE AND/OR STORE TOPSOIL. PLACE EROSION CONTROL MEASURES AROUND BASE OF ANY STOCK PILES.
8. BEGIN GRADING OPERATIONS.
9. INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES EVERY 7 DAYS AND AFTER EACH SIGNIFICANT RAINFALL (0.5 INCHES OR GREATER IN 24 HOURS) AND DOCUMENT WITH INSPECTION REPORTS.
10. PLACE TEMPORARY SEEDING ON ALL DISTURBED AREAS THAT WILL BE IDLE 14 DAYS OR LONGER.
11. FOLLOWING DEMOLITION AND GRADING AND DURING CONSTRUCTION OF BUILDING RELOCATE EROSION CONTROL MEASURES (DIVERSION DITCHES, SEDIMENT TRAPS, ECT) AS NECESSARY TO BUILD FOUNDATION AND FLOORS. COORDINATE WITH EROSION CONTROL INSPECTORS.
12. PERMANENT GRASS SHALL BE INSTALLED FOR ALL AREAS AT FINAL GRADE AND IN SEASON. FERTILIZE, WATER AND RESEED AS REQUIRED TO ESTABLISH AND MAINTAIN A VIGOROUS STAND OF GRASS.
13. AFTER COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED, (A) REMOVE ALL ACCUMULATED SEDIMENT FROM SEDIMENT TRAPPING MEASURES. (B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY APPROPRIATE GRASS.
14. FOLLOWING STEP 13, GRADE OUT WET DETENTION POND, AND PLANT PER APPROPRIATE SEED SPECIFICATIONS.

EROSION CONTROL NOTES:

1. INSPECTOR REFERS TO NORTH CAROLINA LAND QUALITY INSPECTOR OR HIS REPRESENTATIVE. FIELD INSPECTIONS MAY REQUIRE ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS DEEMED NECESSARY BY THE INSPECTOR.
2. CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES LAND QUALITY SECTION EROSION AND SEDIMENT CONTROL PLANNING LAND DESIGN MANUAL.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF EROSION CONTROL METHODS DURING CONSTRUCTION, AND THE OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL PERMANENT EROSION CONTROL METHODS AFTER CONSTRUCTION IS COMPLETE, IF ANY PERMANENT METHODS ARE REQUIRED.
4. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
5. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH WILL BE ANCHORED.
6. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. PLEASE CALL FOR AN INSPECTION.
7. INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES EVERY 7 DAYS AND AFTER EACH SIGNIFICANT RAINFALL (0.5 INCHES OR GREATER) AND DOCUMENT WITH INSPECTION REPORTS.
8. NO GRADING PERMITTED IN ZONE 1 OF NEUSE RIVER RIPARIAN BUFFER. WAKE COUNTY REQUIRES THE OUTER LIMITS OF ZONE 2 OF THE NEUSE RIVER BUFFER TO BE CLEARLY MARKED WITH ORANGE WARNING FENCING (OR SIMILAR VISIBILITY MATERIAL), PRIOR TO BEGINNING THE INSTALLATION OF EROSION CONTROL MEASURES.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DURHAM COUNTY AND NORTH CAROLINA EROSION CONTROL SPECIFICATIONS

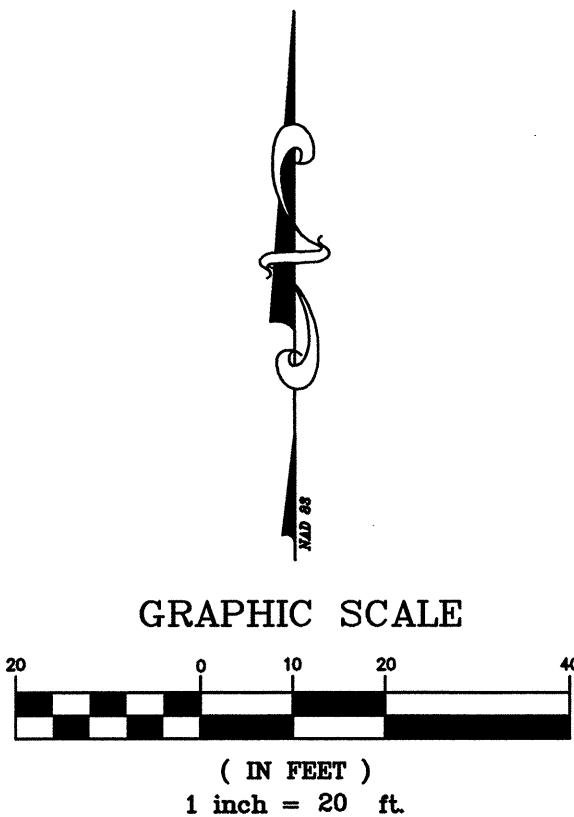
EROSION CONTROL LEGEND

- TP — TREE PROTECTION FENCE
- SF — SILT FENCE
- DD — DIVERSION DITCH
- LIMITS OF DISTURBANCE
- TEMPORARY CHECK DAM
- IP — INLET PROTECTION
- SILT FENCE OUTLET
- CE — CONSTRUCTION ENTRANCE
- TEMPORARY SEDIMENT TRAP

TREE PROTECTION NOTES:

1. TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT.
2. TREE PROTECTION FENCING SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH, AS FOLLOWS: "NO TRESPASSING/TREE PROTECTION AREA/PROHIBIDO ENTRAR / ZONA PROTECTORA PARA LOS ARBOLES."
3. PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE ON THE TREE ROOTS OUTSIDE OF THE TREE SAVE AREA. THIS SHALL OCCUR AT THE SAME TIME THAT OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
4. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED TREE AREA.
5. TREE PROTECTION AREA: EQUALS ONE FOOT OF RADIUS FOR EVERY INCH OF DIAMETER OF EXISTING TREES, OR SIX FOOT RADIUS, WHICHEVER IS GREATER. NO DISTURBANCE ALLOWED WITHIN THIS AREA.

Sediment Trap Summary:			
Drainage Area	=	0.8 AC	
Bottom Width	=	15 ft	
Bottom Length	=	30 ft	
Top Width	=	42 ft	
Top Length	=	57 ft	
Stone Outlet Width	=	4 ft	
Outlet Sideslopes	=	3:1	
Storage Depth	=	3 ft	
Dam Height	=	4.5 ft	
Sideslopes	=	3:1	
Surface Area	=	1,584 SF	
Volume	=	3,051 CF	
Note: All Calculations are based on a 10 year return rainfall and in accordance with the North Carolina Erosion and Sedimentation Planning and Design Manual.			



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REVISIONS

FINAL COD  
CONSTRUCTION  
DRAWINGS SUBMITTAL

12-17-2008

JOB NUMBER: C7043  
DRAWN: ACP  
CHECKED: RPL  
DATE: 08-19-2008

SEDIMENT AND EROSION CONTROL PLAN

C500